Substrates and Assays for Beta-Secretase Activity Page 1 of 6 Fig. 1A PATGTAGACAAACATGTGCCAGTGGAGCCACAGGCCTACCTGTGCGGGTTC

GGGCCTGAGATACCCCTGGCCATGGACCGCTTCCCATATGTGGCTCTGTCCAAGACATAC ATGGGGGTGTCTACGGTGCTGCCAGGATCCTAAAAGGGCAGAAGAAGGACAAACTG MGVSTVTAARILKGQKKDKL AAGAAGCTGCAGCCTGCACAGCCGCCAAGAACCTCATCTTCCTGGGCGATGGG GTTGAGGAGAACCCGGAACCGCGAGGCAGCCGAGGCCCTGGGTGCCGCC K K L Q P A Q T A K N L I F L G D G ATGCTGCTGCTGCTGCTGGGCCTGAGGCTACAGCTCTCCCTGGGCATCCCA VEEEENPDFWNREARBALGAAA M L L L L L L L G L R L Q L S L G I I P

acacgcggcaacgaggtcatctccgtgatgaatcgggccaagaaagcagggaagtcagtt

RGNEVISVMNRAKKAGK

KGNFOTIGLSAAARFNOCNT

N V D K H V P D S G A T A T A Y L C G V

GPIIPLAMDRFPYVALLSKTY

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Fig. 1B

FIG. 1B

GGAGTGGTAACCACCACACGAGTGCAGCACGCCTCGCCAGCCGGCACCTACGCCCACACG 工 X Ι U A Д വ Ø Ή Ø > ద ⊣ ₽ ⊱ > 口 Ø ద A ಬ A Д D V Ø Ω ഗ  $\succ$ 3 Z

CAGGACATCGCTACGCAGCTCATCTCCAACATGGACATTGACGTGATCCTAGGTGGAGGC U U U D V I L Н Ω Σ z ഗ Н O L H Ø Н Ω

CGAAAGTACATGTTTCCCATGGGAACCCCAGACCCTGAGTACCCAGATGACTACAGCCAA Ø ഗ Ω Д X H Д G T P D Σ بم Ľ Σ U R × Ø П Έ. 田 Ø > ᆸ Z  $\preceq$ U Ω ᆸ 2 U GCCCGGTATGTGTGGAACCGCACTGAGCTCATGCAGGCTTCCCTGGACCCGTCTGTGACC Ω IJ ഗ Ø O E J ы [-ĸ z 3 ĸ

CATCTCATGGGTCTCTTTGAGCCTGGAGACATGAAATACGAGATCCACCGAGACTCCACA ഗ Ω 2 田 H 回 × × Σ Ω U Д Ŀ ഥ 口 ڻ ت Σ Ļ Title: Substrates and Assays for Beta-Secretase Activity
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Fig. 1C

FIG. 1C

A series of the series of the

CTGGACCCCTCCCTGATGGAGATGACAGAGGCTGCCCTGCGCCTGCTGAGCAGGAACCCC Z ഗ 口 Ц 껖 A L Ø Ы <u>-</u>--Σ Ы Σ 口 ഗ CGCGGCTTCTTCCTTCGTGGAGGGTGGTCGCATCGACCATGGTCATGAAAGCAGG R വ 口 Ξ 二 U H Ω Н R U U 口 > ഥ Ц U

U Ø 씸 口 Н A Ω Ω ഥ Σ H ⊣ ш H ᆸ Ø 2

CTCACCAGCGAGGACACGCTGAGCCTCGTCACTGCCGACCACTCCCACGTCTTCTCC S ഥ > Η ഗ Η Ω A H > Ц ഗ 口 L Ω ГŢ H ഗ E ᆸ TTCGGAGGCTACCCCTGCGAGGGAGCTCCATCTTCGGGCTGGCCCCTGGCAAGGCCCCGG R  $\preceq$ U Д Ø ᆸ Ŋ ഥ Н ഗ ഗ ŋ ĸ ᆸ Д U GACAGGAAGGCCTACACGGTCCTCCTATACGGAAACGGTCCAGGCTATGTGCTCAAGGAC  $\succeq$ Ц >  $\succ$ U Д U N U X ᆸ ᄓ > H × Ø  $\succeq$ ĸ

GGCGCCCGGCCGGATGTTACCGAGAGCGAGAGCGGGAGCCCCCGAGTATCGGCAGCAGTCA Ŏ ĸ × 口 Д ഗ Ü ഗ Ы ഗ 口 L > Ω Д Title: Substrates and Assays for Beta-Secretase Activity
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FIG. 1D

 $\mathcal{O}$ Ø Ø > Ω 口  $\Box$ Ø Η H 口 口 <u>:</u>\_\_ CCGCAGGCGCACCTGGTTCACGGCGTGCAGGAGCAGACCTTCATAGCGCACGTCATGGCC Σ > 工 Ø Ĺ,  $\vdash$ Ø 口 Ŏ >  $\mathcal{O}$ 田 > Ļ H Ø

U Ø Д Д Ø Ц О U Ø <u>[--</u>  $\succ$ Д 口 Ы ပ Ø Ø

GACGCCCCCCCCCCAGGTAACTATGAAGTTGAATTCCGAAGAGCACTCTACGTAGAGGGT 5 田  $\succ$  $\Gamma$ Ā R R Д 团 > 団  $\succ$ Z ŋ Д H ď Ø

GAAAGAGGATTCTTCTACACTCCAAAGGCACTCTACCTCGTAGAGGGGTGAAAGAGGATTC  $\mathcal{O}$ K 田  $\mathcal{O}$ 日 >  $\Gamma$ X Г Ą × Д L  $\succ$ G,  $\mathcal{O}$ 

TTCTACACTAGTCTCATGACCATAGCCTATGTCATGGCTGCCATCTGCGCCCTCTTCATG Σ

CTGCCACTCTGCCTCATGGTGGACTACAAGGATGATGATGACAAGTAG Ω Ω Ω Ω ¥  $\Box$ > Σ

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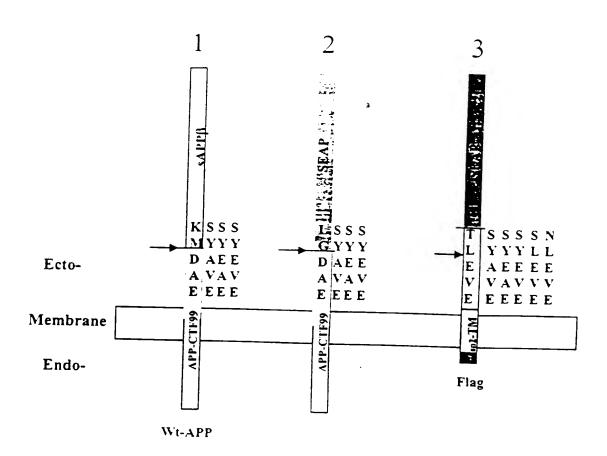


FIG. 2

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Fig. 3

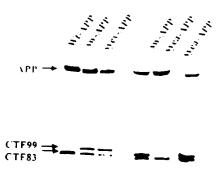


FIG. 3